

FIGURE 1
PRIOR ART

Title: Deformable Mirror Method and Apparatus Including
Bimorph Flexures and Integrated Drive

Applicants: Knollenberg, et al.

Docket: IRIS-01001US0

Appl. No.: Unknown

Atty: Larry E. Vierra

Filing Date: November 7, 2003

Phone: (415) 369-9660

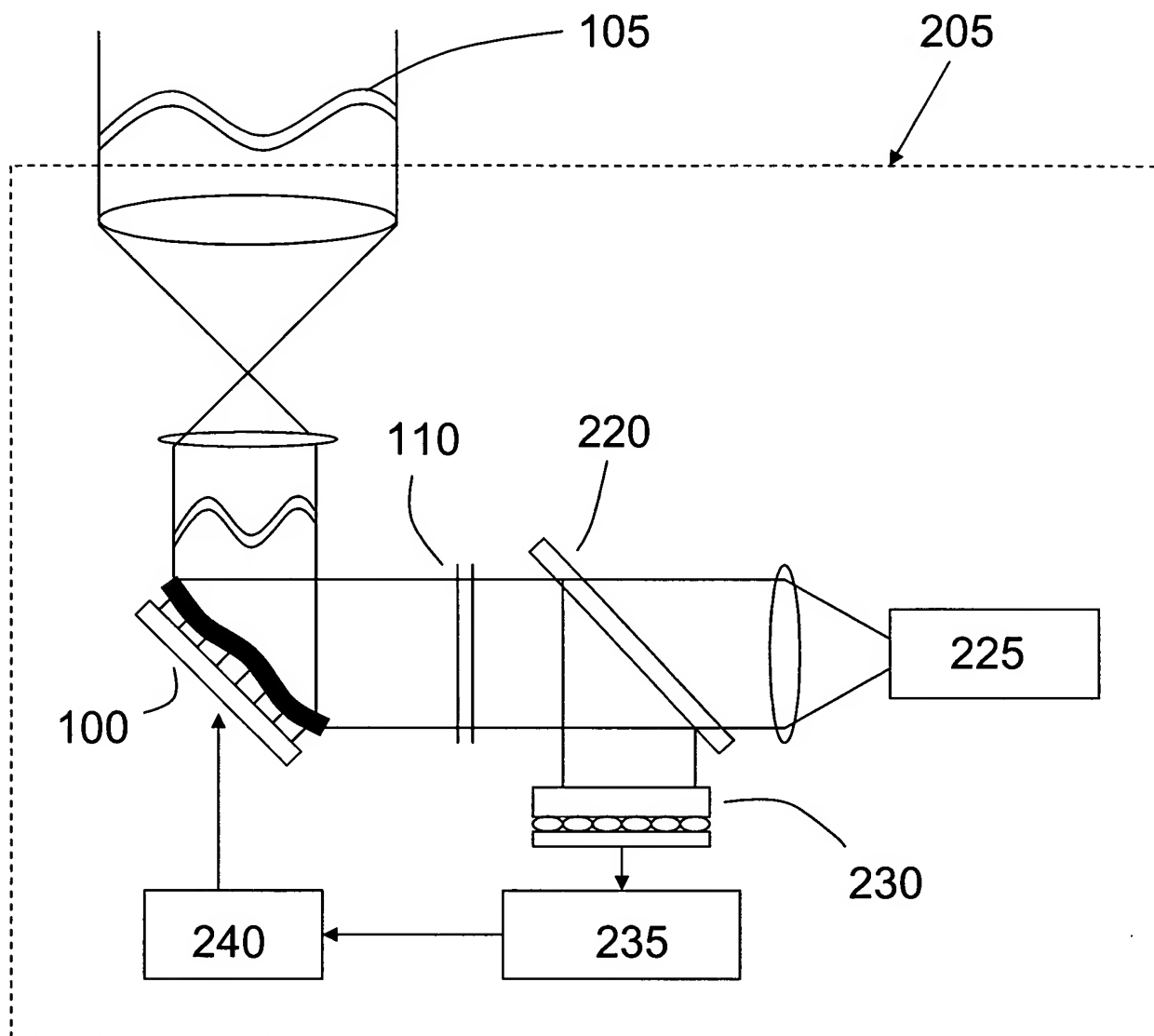


FIGURE 2
PRIOR ART



FIGURE 3A

Title: Deformable Mirror Method and Apparatus Including
Bimorph Flexures and Integrated Drive

Applicants: Knollenberg, et al.

Docket: IRIS-01001US0

Appl. No.: Unknown

Atty: Larry E. Vierra

Filing Date: November 7, 2003

Phone: (415) 369-9660

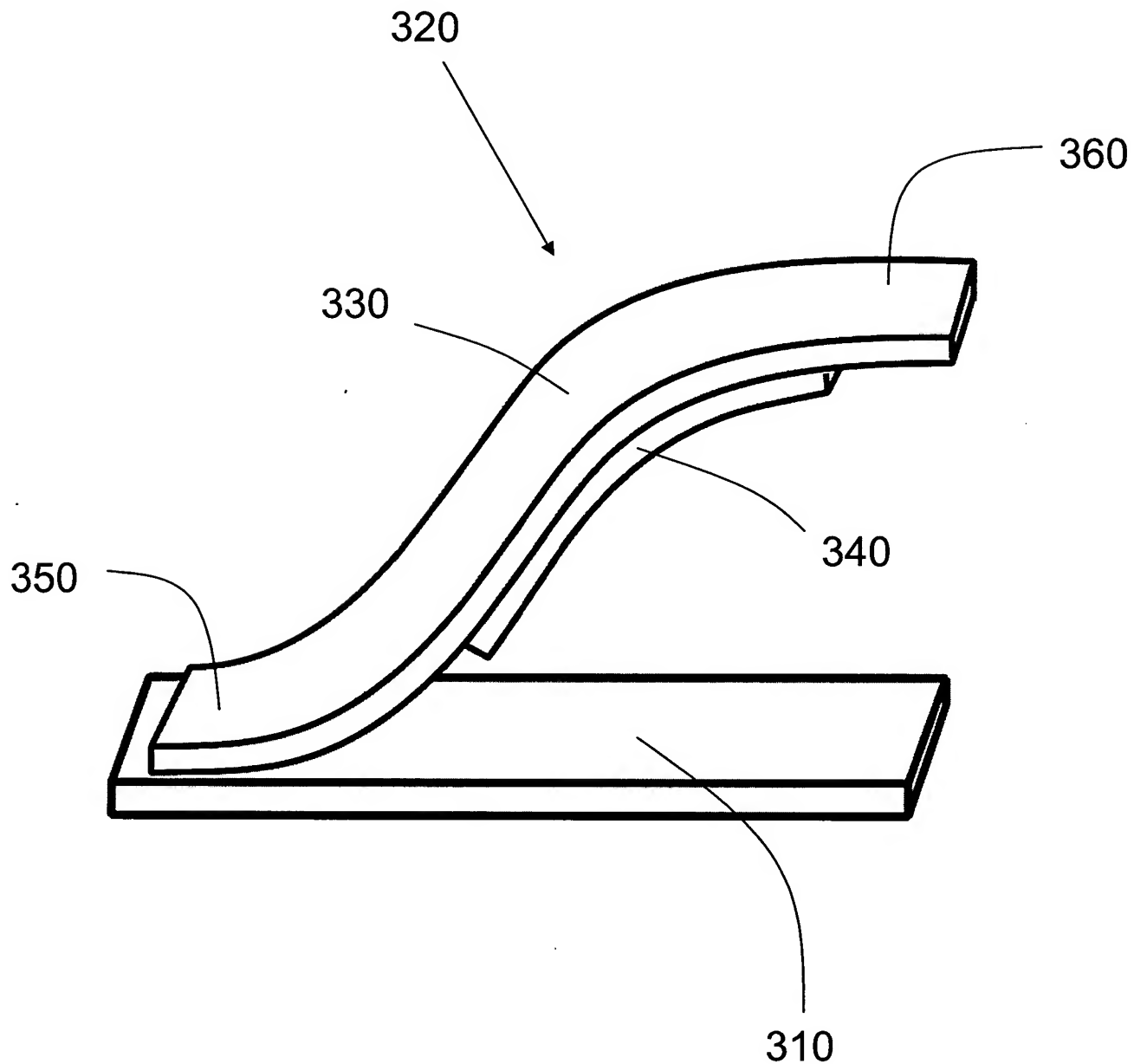


FIGURE 3B

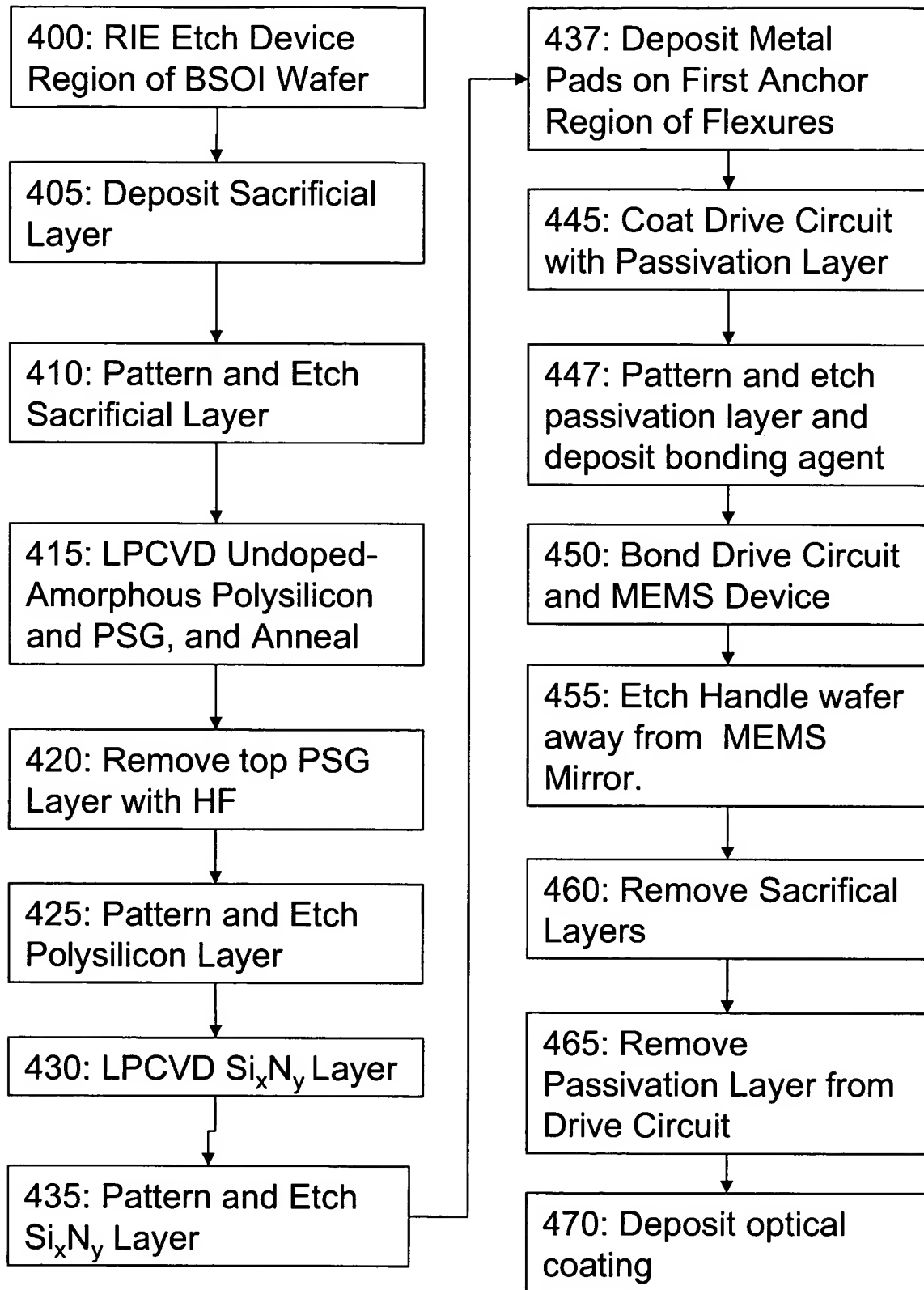
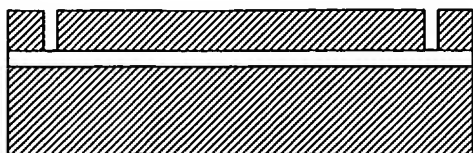


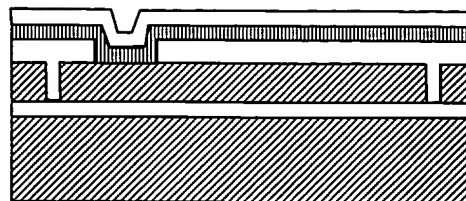
FIGURE: 4A

Title: Deformable Mirror Method and Apparatus Including Bimorph Flexures and Integrated Drive
 Applicants: Knollenberg, et al. Docket: IRIS-01001US0
 Appl. No.: Unknown Atty: Larry E. Vierra
 Filing Date: November 7, 2003 Phone: (415) 369-9660

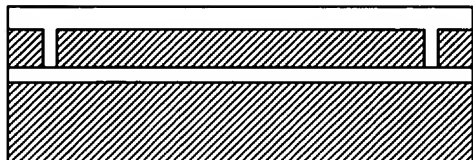
400



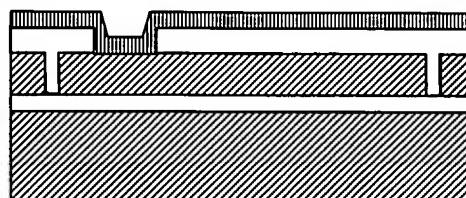
415



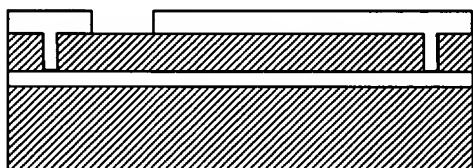
405



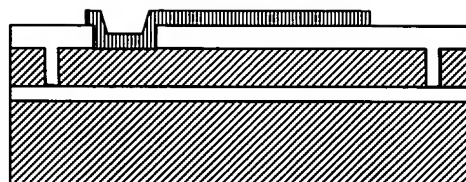
420



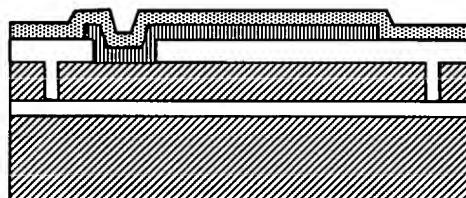
410



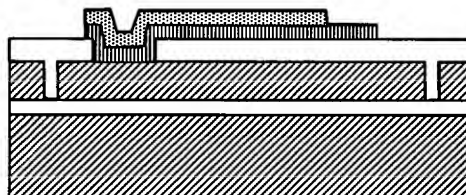
425



430



435



437

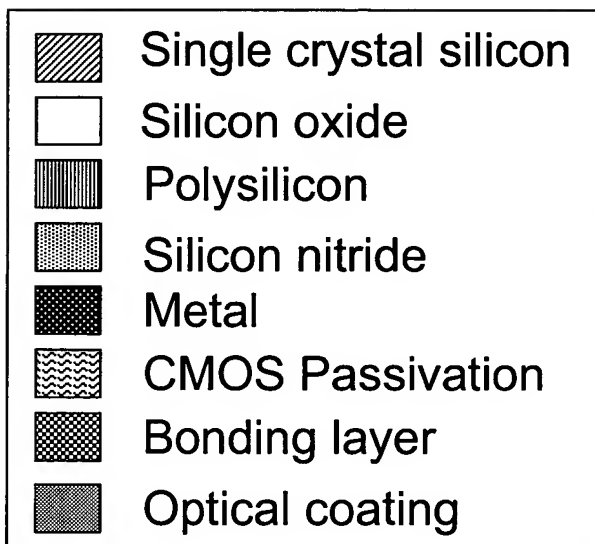
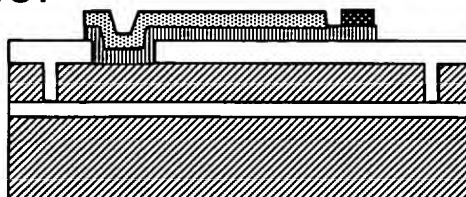
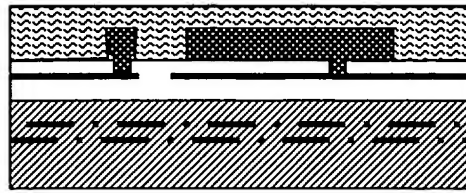


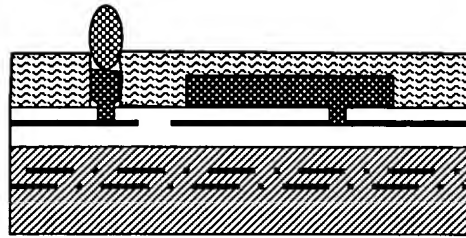
FIGURE: 4B - 1

445



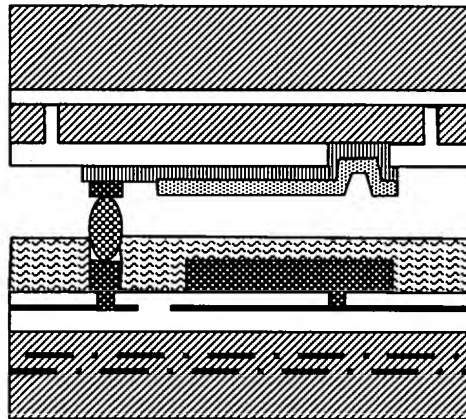
← 300

447



← 300

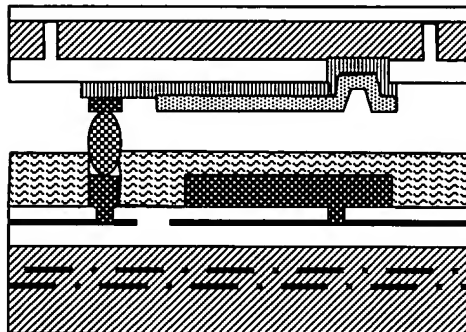
450



← 500

← 300

455



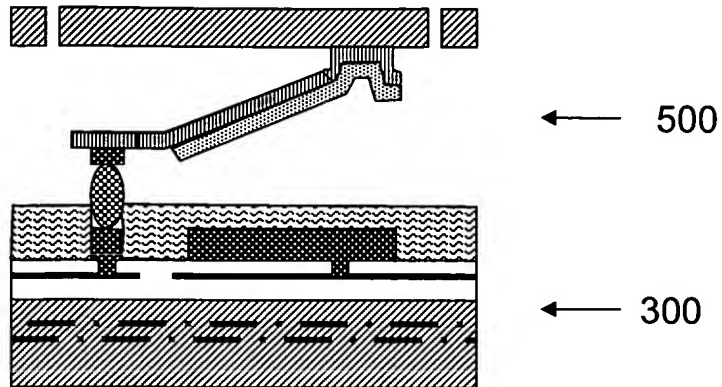
← 500

← 300

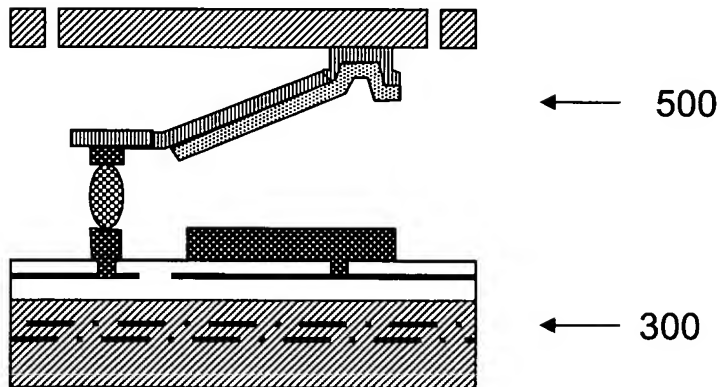
FIGURE: 4B - 2

Title: Deformable Mirror Method and Apparatus Including
Bimorph Flexures and Integrated Drive
Applicants: Knollenberg, et al. Docket: IRIS-01001US0
Appl. No.: Unknown Atty: Larry E. Vierra
Filing Date: November 7, 2003 Phone: (415) 369-9660

460



465



470

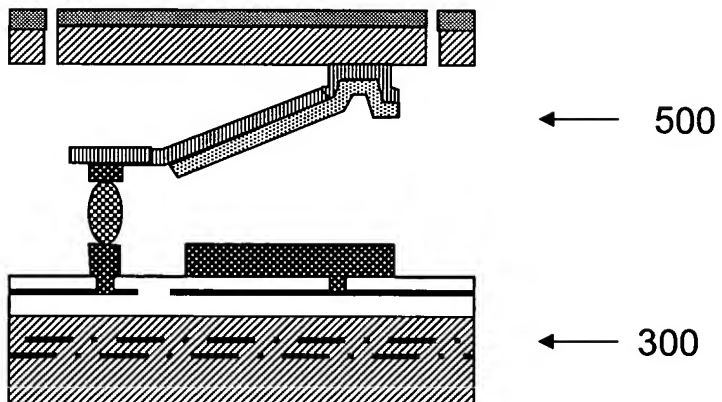


FIGURE: 4B - 3

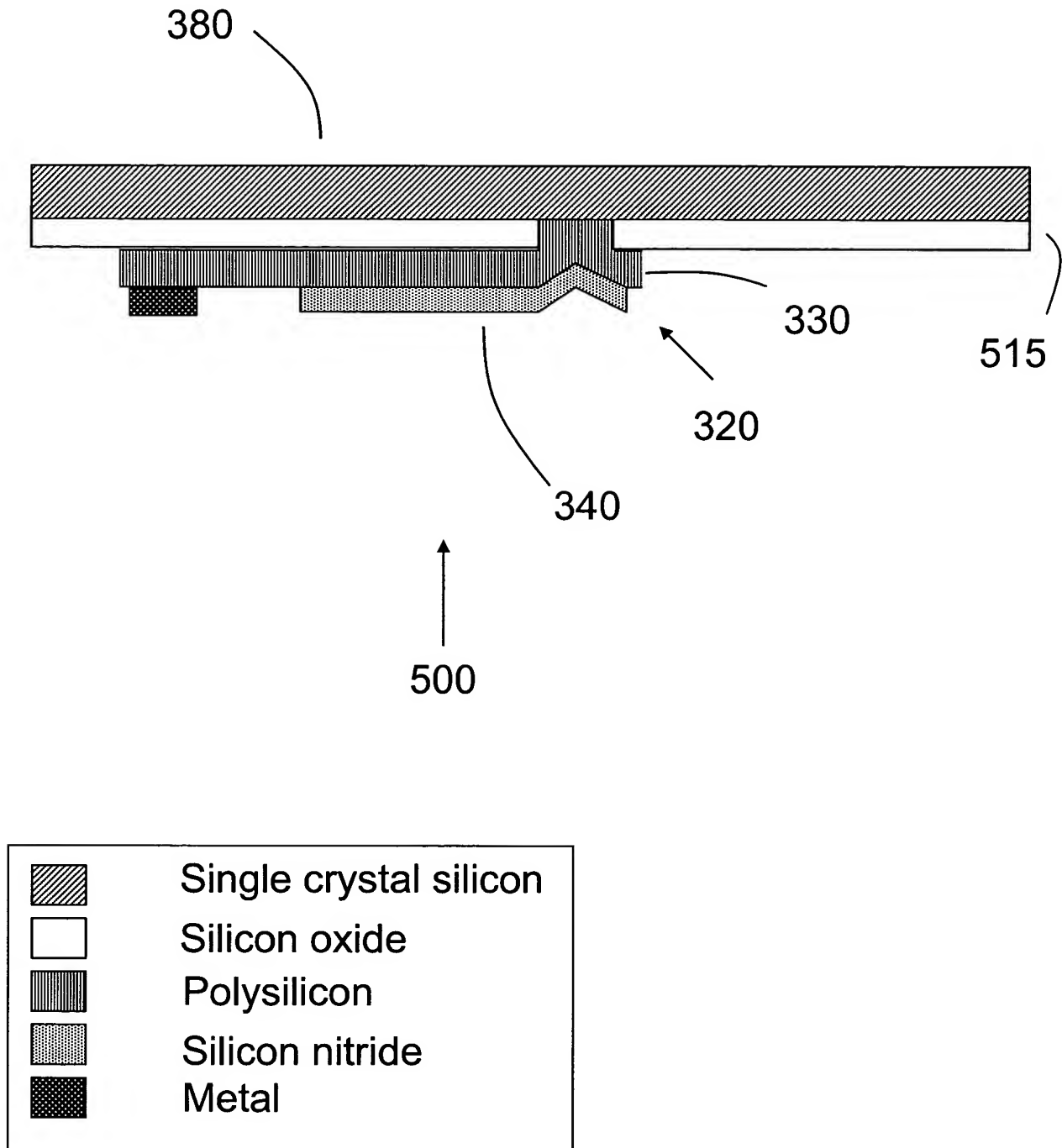


FIGURE 5

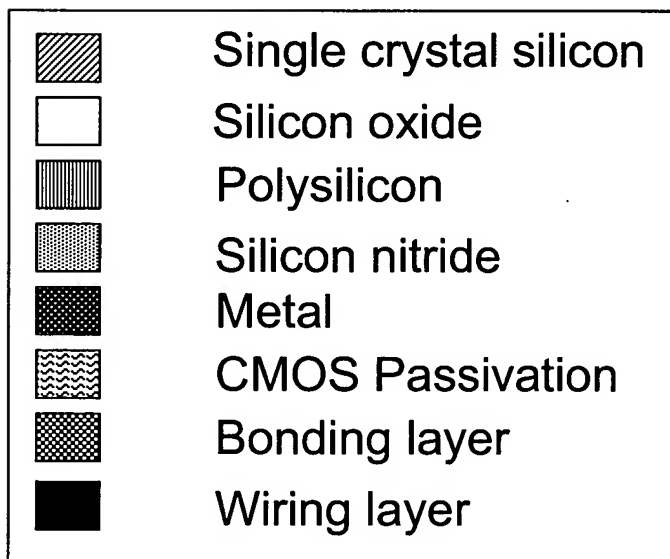
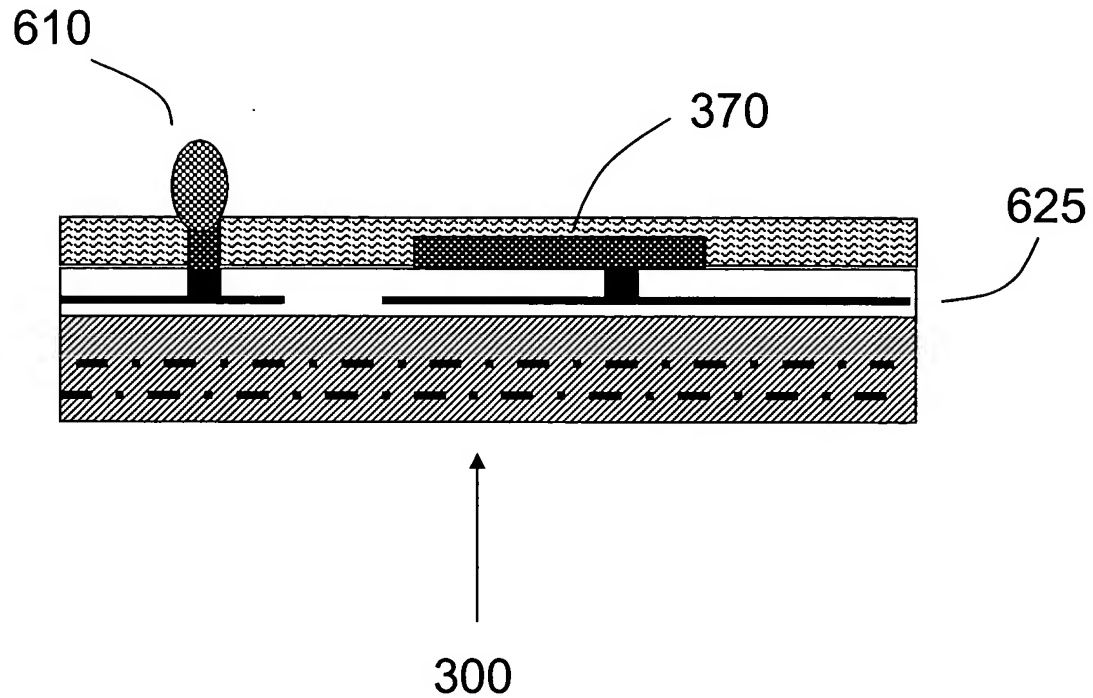
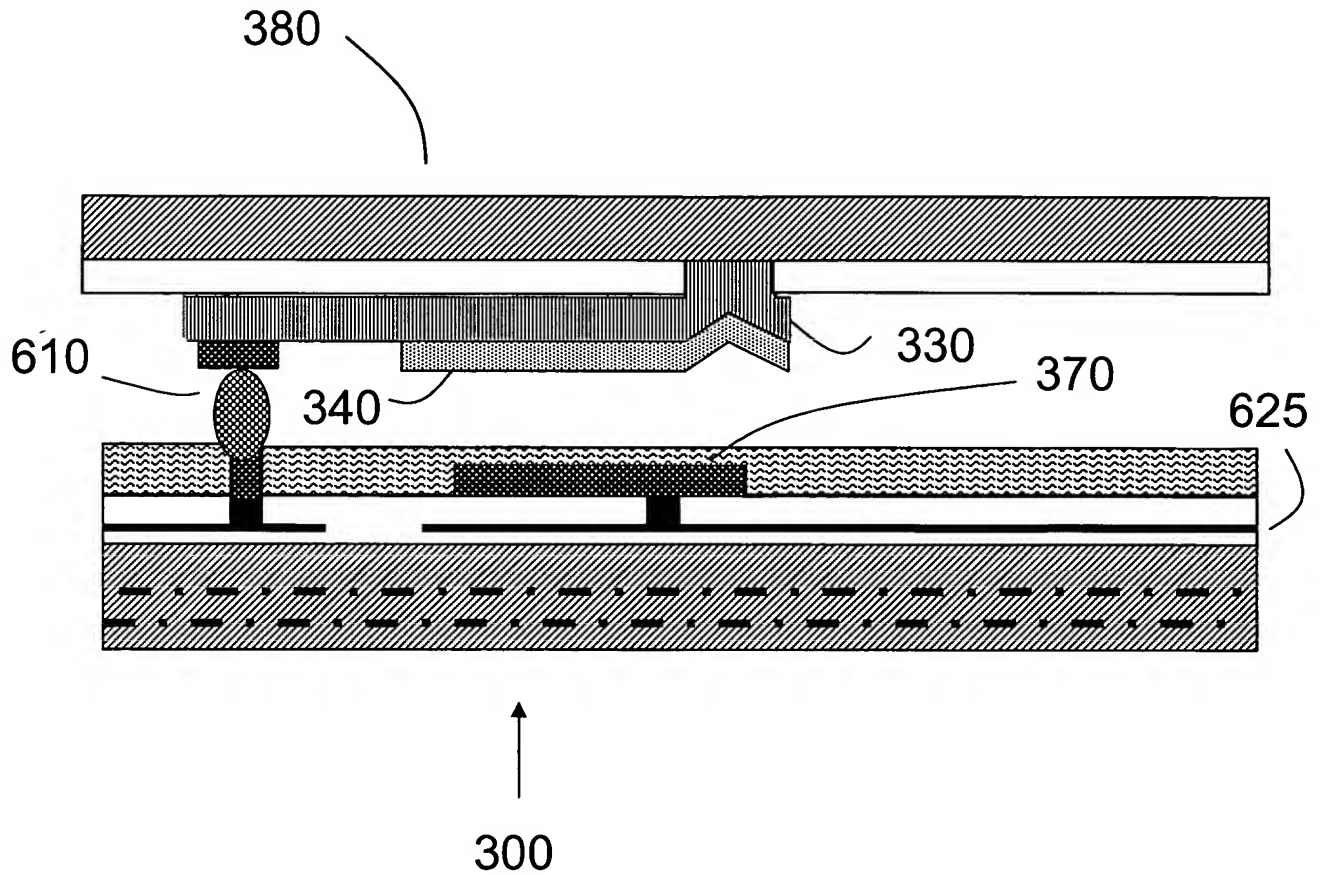


FIGURE 6



	Single crystal silicon
	Silicon oxide
	Polysilicon
	Silicon nitride
	Metal
	CMOS Passivation
	Bonding layer
	Wiring layer

FIGURE 7A

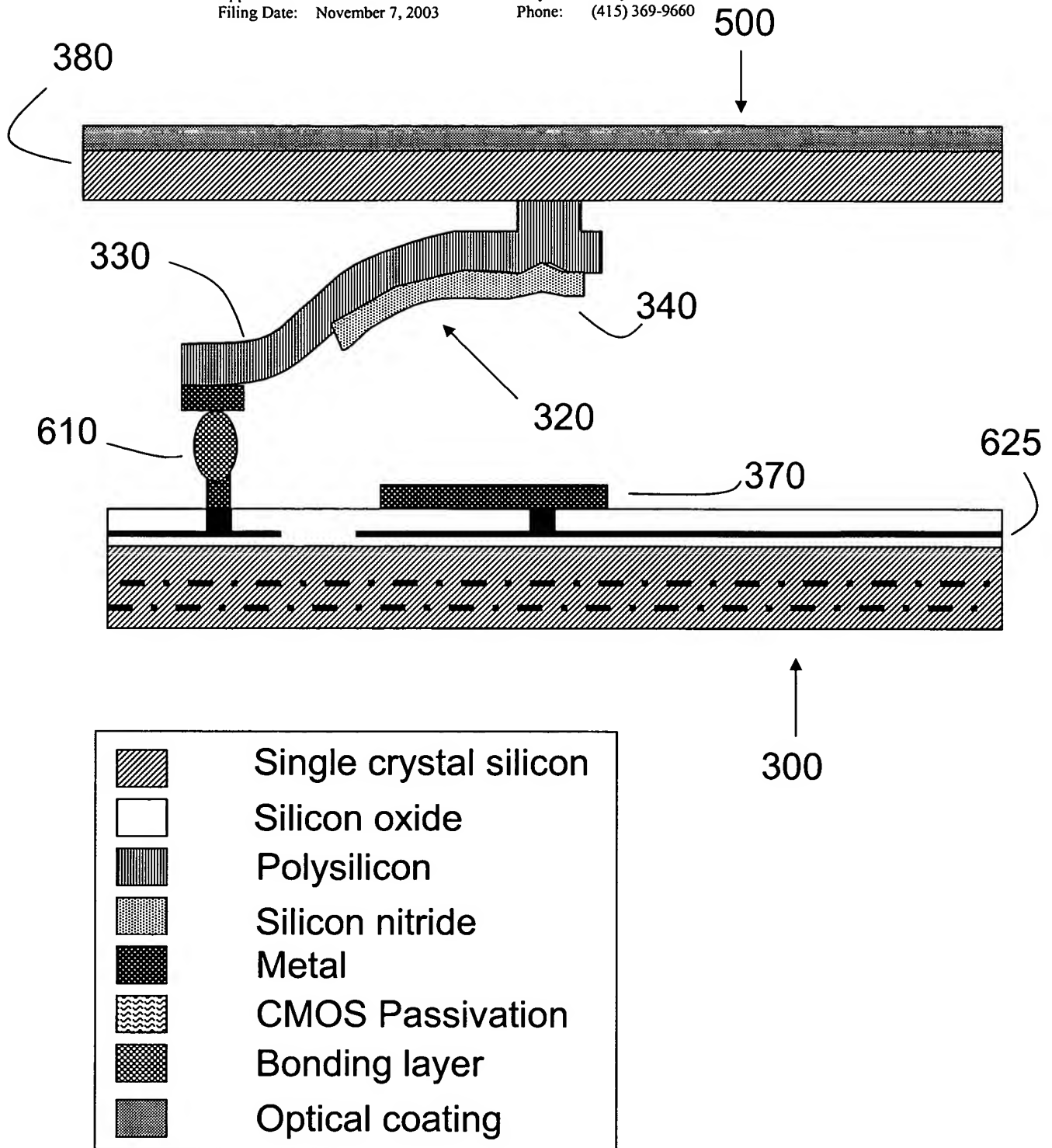


FIGURE 7B

Title: Deformable Mirror Method and Apparatus Including
Bimorph Flexures and Integrated Drive

Applicants: Knollenberg, et al. Docket: IRIS-01001US0

Appl. No.: Unknown Atty: Larry E. Vierra

Filing Date: November 7, 2003 Phone: (415) 369-9660

Material	CTE (ppm/°C)
Silicon	2.6
Si ₃ N ₄	2.8
SiC	4.3
AlN	4
Ni	13.4
SiO ₂	0.55

FIGURE 8

Title: Deformable Mirror Method and Apparatus Including
Bimorph Flexures and Integrated Drive

Applicants: Knollenberg, et al.

Docket: IRIS-01001US0

Appl. No.: Unknown

Atty: Larry E. Vierra

Filing Date: November 7, 2003

Phone: (415) 369-9660

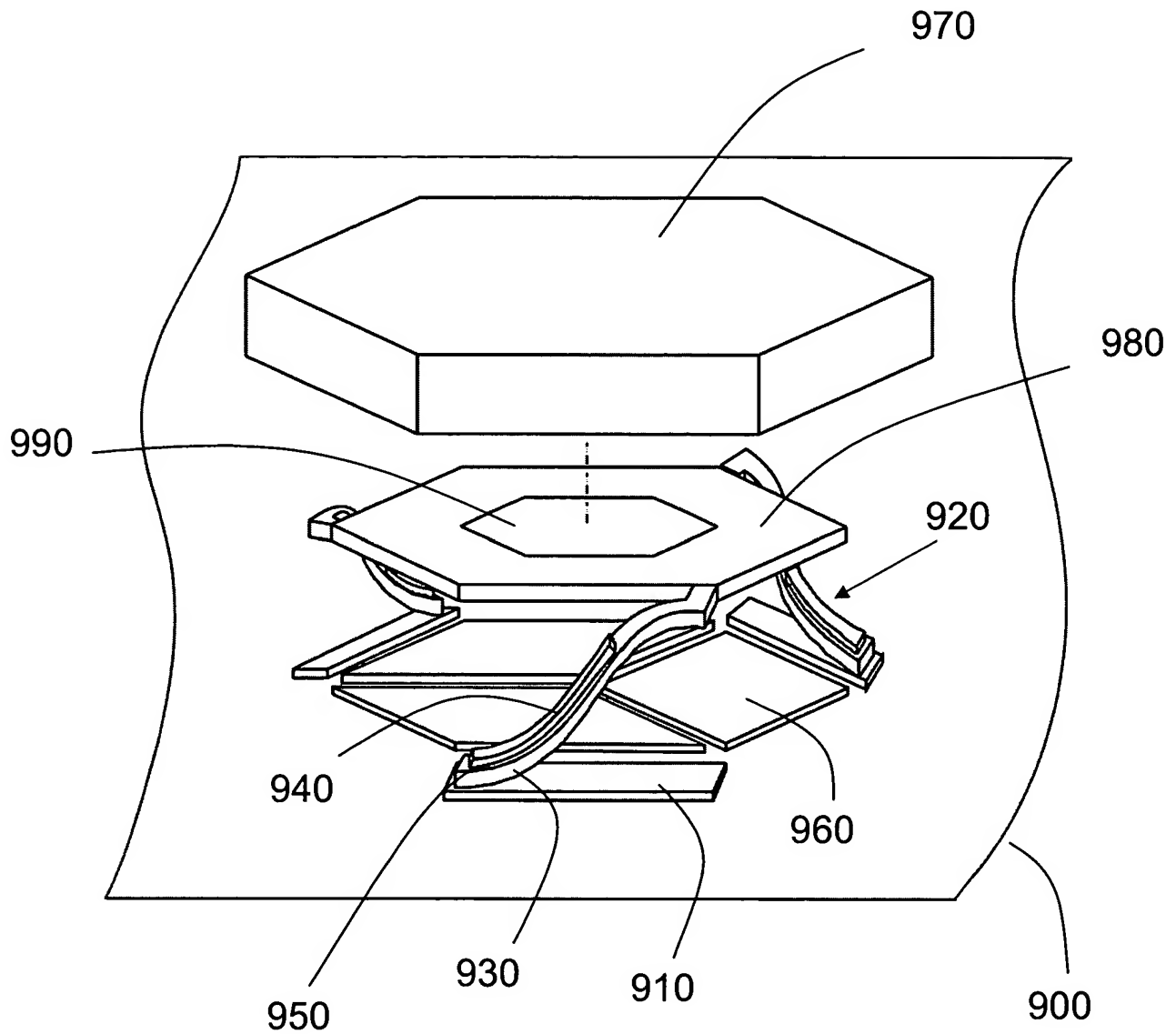


FIGURE 9